Anybus X-gateway – Modbus RTU – Modbus RTU Slave

The Anybus X-gateway allows you to seamlessly inter-connect/extend PLC control systems and their connected devices on a Modbus RTU network.

FAST COPYING OF I/O DATA

The X-gateways primary function is with the fast transfer of cyclic I/O data between the two networks. This offloads your PLC from working with additional calculations. The gateway acts as a Slave on both sides of the Modbus RTU network and provides a simple network extension. The data transmission between the two networks is completely transparent with a maximum data capacity of 512 bytes in each direction.

EASY CONFIGURATION - NO PROGRAMMING REQUIRED!

The connection between the two networks is quickly set up in the Anybus Configuration Manager software, included with the X-gateway. No programming skills are needed to set up the X-gateway. As factory default the X-gateways have a pre-defined I/O size of 20 bytes I/O.

Features and benefits

- Fast copying of cyclic I/O data between two Modbus RTU networks (10-15 ms)
- Proven and tested with all PLC manufacturers
- Supports up to a maximum of 512 bytes of Input and Output data in each direction
- Optional control and status information added to the I/O data for diagnostic purposes
- Robust stand-alone housing for use in harsh industrial environments
- Global free technical support and consultancy

Modbus RTU Slave interface

Modbus RTU network address settings made via on-board configuration switches

- Complete Modbus RTU slave functionality
- Max 512 bytes of Input and 512 bytes of Output data
- Modbus diagnostics support
- Configuration via on-board DIP switches
- Modbus RTU baudrate 12-57,6 kbit/s
- 1x D-sub 9-pin female network connector

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TECHNICAL SPECIFICATIONS

Dimensions (L•W•H)	114 x 44 x 127mm or 4,49 x 1,73 x 5,00"
Weight	400g or 0,880 lbs
Operating temperature	-25 to +65 °C or -13 to +149 °F
Storage temperature	-40 to +85 °C or -40 to +185 °F
Power supply	24 VDC +/- 20% via 2-pole 5.08 mm Phoenix pluggable screw connector
Current consumption	max. 400mA (Typical 200mA)
Enclosure material	Aluminium and plastic
Installation position	Vertical / Flat*
Galvanic isolation	YES, on both BUS/Ethernet side
Mechanical rating	IP20, NEMA rating 1
Mounting	DIN-rail (EN 50022 standard)
I/O configuration	via USB port with Anybus Configuration Manager software
Certifications	CE, $_C$UL$_{US}$, RoHS

Ordering information

Order Code	AB7899
Included components	Gateway
	Quick start documentation
	USB configuration cable
	Power supply **not** included
	Configuration server software is available for download.

3 year guarantee. For purchasing instructions and terms and conditions, see: How to buy